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PATENT ABSTRACTS OF JAPAN

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number : **04-078005**

(71)Applicant : **TOSHIBA CORP**

(22)Date of filing : **31.03.1992**

(72)Inventor : **MORIYA YUKINOBU
FUJIMOTO SHIGERU
KATAYAMA HIROSHI**

(54) MAGNETOSTRICTIVE ACTUATOR

(57)Abstract:

PURPOSE: To provide a magnetostrictive actuator enhanced in controllability of micro-displacement drive and quantity of displacement.

CONSTITUTION: A magnetic field generating air-core coil 8 and a heating air-core coil 9 are provided around a magnetostrictive rod 1, and the magnetostrictive rod 1 is heated by the heating air-core coil 9 to be thermally expanded, whereby the rod 1 is enhanced in controllability of micro-displacement drive and quantity of displacement.

